APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

On the Production of High Magnetic Fields xxx for Short Periods, by P. Cotti, 19 pp.
GERMAN, per, Z fuer Angewandte Mathematik und Physik, Vol XI, No 1, 1960, pp 17-32. 9226154
AEC-NP-Tr-1183

Sci-Phys

Jan 65

270,614

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Thermodynamics of Partially Liquid Hail Stones, by Roland List, 33 pp.

GERMAN, per Z. fur Angewandte Mathematik und Physik, Vol XI, No 4, 1960, pp 273-306.

Amer Meteorol Soc T-G-164
AF Cambridge Res Center

167, 834

Sci - Phys
Sep 61

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Rutishauser, Heinz.
REMARKS ON SMOOTH INTERPOLATION (Bemerkun (Bemerkungen zur Glatten Interpolation). [1961] [15]p. (foreign text included).
Order from SLA $1.60 61-20086

Trans. of Zeitschrift fur Angewandte Mathematik und Physik (Switzerland) 1960, v. TT, no. 6, p. 508-513.

DESCRIPTORS: *Functions, Polynomials, Numerical analysis.

The usual interpolation formulae for equidistant abscissae (Newton-Gregory, Bessel) define a piecewise polynomial approximation function whose first derivative is generally discontinuous at every meshpoint. It is shown how these formulae can be modified (without using higher derivatives of the given function) such that the piecewise polynomial approximation function has s continuous derivatives (where s is a given integer). (Author)

61-20086

I. Rutishauser, H.

(Mathematics, TT, v. 7, no. 1)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A Simple Generalization of the Rayleigh Boundary Layer, by Ernst Becker, 6 pp.
GERMAN, per, Z fur Angewandte Math und Phy, 19 No 11, 1960, pp 146-153.
ARM/RSIC-Tr-945
GOVERNMENT USE ONLY

Sci/Phy
Sept 69

392,238

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

An Influence of AgI Upon the Atmospheric Icing Process, by Roland List, et al., 3 pp.

GERMAN, per, Z fuer Angewandte Mathematik und Physik, Vol XII, No 5, 1961, pp 474-476. 9668690

Amer Meteorol Soc T-G-190

Sci - Earth Sci & Ast
May 63

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

ELECT

ELECTRON OPTICS IN MULTI-STAGE LENS SYSTEM (II), BY MINORU MORIKAWA.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-ELECTRON, PHYS

SEPT 62 211,926

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

THEORETICAL REFLECTIONS ON THE GROWTH OF DROPLETS UNDER EXTREME COOLING CONDITIONS, BY ALBERT GYR.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-PHYS

SEPT 62 211,927

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

MAGNETO-HYDRODYNAMIC CHANNEL FLOW AS INFLUENCED BY WALL CONDUCTANCE, BY CHIEH-CHIEN CHANG, JAMES T. YEN.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263 AF 1501263

SCI-PHYS

SEPT 62 211,925

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

THE STABILITY OF AN INTERFACE BETWEEN MISCIBLE FLUIDS IN A POROUS MEDIUM, BY ROBIN A. WOODING.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-PHYS

SEPT 62 211,924

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

MAGNETO-FLUID DYNAMICS OF THIN BODIES IN OBLIQUE FIELDS (II), BY KEITH STEWARTSON.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 150126 3

SCI-PHYS

SEPT 62 211,923

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

ON A MIXED BOUNDARY VALUE PROBLEM FOR AN INFINITE ELASTIC CONE, BY ROGER D. LOW, HARRY J. WEISS.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-PHYS, MATH
SEPT 62 211,922

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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ON THE SOLUTION OF Y' = F(X,Y) BY A CLASS OF HIGH ACCURACY DIFFERENCE FORMULAE OF LOW ORDER, BY JOHN D. LAMBERT, ANDREW R. MITCHELL.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-CHEM, PHYS
SEPT 62 211,921

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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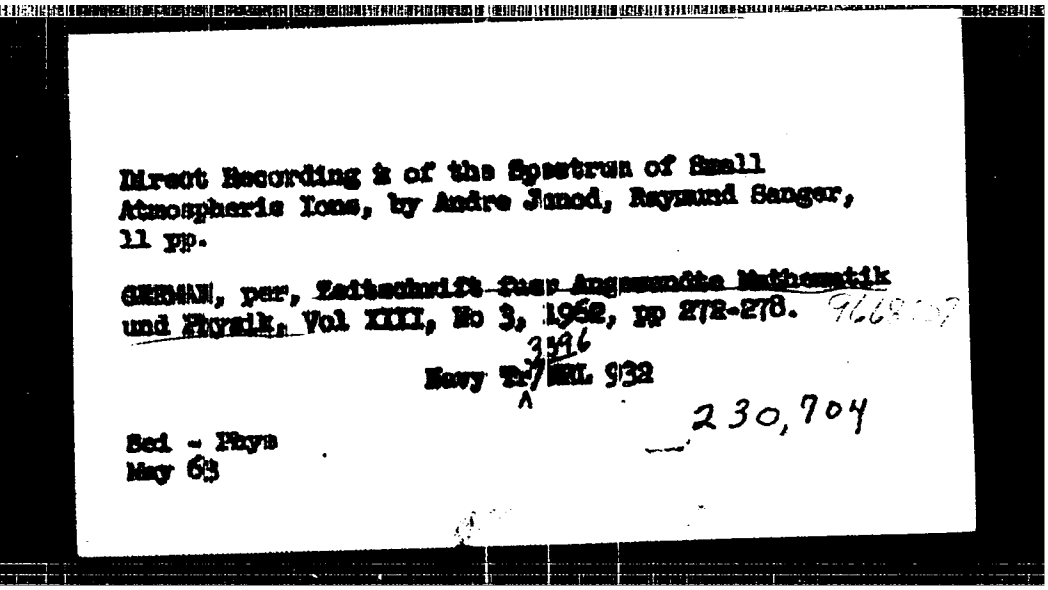

Direct Recording z of the Spectrum of Small Atmospheric Ions, by André Junod, Raymund Sänger, 11 pp.

GERMAN, per, Zeitschrift fuer Angewandte Mathematik und Physik, Vol XIII, Fo 3, 1962, pp 272-278.

Navy Tr/MIL 932

230,704

Sci - Phys
May 63

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

KATZ, U. Cloud-chamber studies on the activity of som
selected substances in the formation of ice-forming nuclei.
Z.angew Math.Phys.13(4):333-58 (1962) (CSIRO/No. 9386)

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Modification of Hailstone Growth, by R. List,
11 pp.

GERMAN, Phys, Z fuer Angewandte Mathematik und
Physik, Vol XIII, No 4, 1962, pp 393-401. 9683550

Amer Meteorol Soc T-C-189

Sci - Earth Sci & Ast
Jul 63

236,161

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A Secondary Electron Multiplier with Continuously Distributed Stages, by W. Baumgartner, L. Linder. GERMAN, per, Zeit fur Agew Math und Physik, Vol 13, No 5, 1962, pp 514-517.
NTC 69-11347-20F

Sci-Phys
July 69 387,180

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

On the Theory of Elastically Plastic Waves in Thin Rods, by Horst Lippman, Arno Behrens, 10 pp.
GERMAN, per, Zeit fur Angewandte Mathematik und Physik, Vol XVII, 1962.
Dept of Navy Tr No 5095/ONI Tr 2272

Sci - Materials
Feb 67

318,848

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Examination of Laser Action in Rough-Worked Rubies, by Dieter Ross.
GERMAN, per, Zeitschrift fur Angewandte Physik, Vol 15, No 6, 1963, pp 32-33. N100068768
AFCRL T-G-291

Sci-Nucl Sci
May 68

356.131

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

CRREL 67-T-5 (SPECIAL RUSH) R-3000-D
16 Mar 67

Methoden der Plastizitatstheorie in der Schneemechanik
By: Hans Ziegler
From: Zeit. fuer Augewandte Math. und Physik (Zamp)
Vol 14, 1963:713-137 (25 pp)

German - est for wds:

Please translate and type 1 camera ready copy. Two copies of the article attached. Please cut and paste-up from one copy only and return the other intact.

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Effects in Ahead of Strong Shock Waves, by H. Gronig. GERMAN, per, Z fuer Angewandte Mathematik und Physik, Vol XLIII, 1963, pp 135-137. NASA TT F-8886

Sci-Phys
Aug 64
U.S. GOVERNMENT ONLY

265,655

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Theoretical and Experimental Investigations on Reactivity Changes of a Reactor, Due to Xenon Poisoning, by W. Bolg, et al.
GERMAN, per, Z. Angew Math Phys, Vol XIV, 1963, pp 178-185.
NASA TT F-10,278

U. S. GOVERNMENT USE ONLY
Sci-Phys
Dec 66 316,441

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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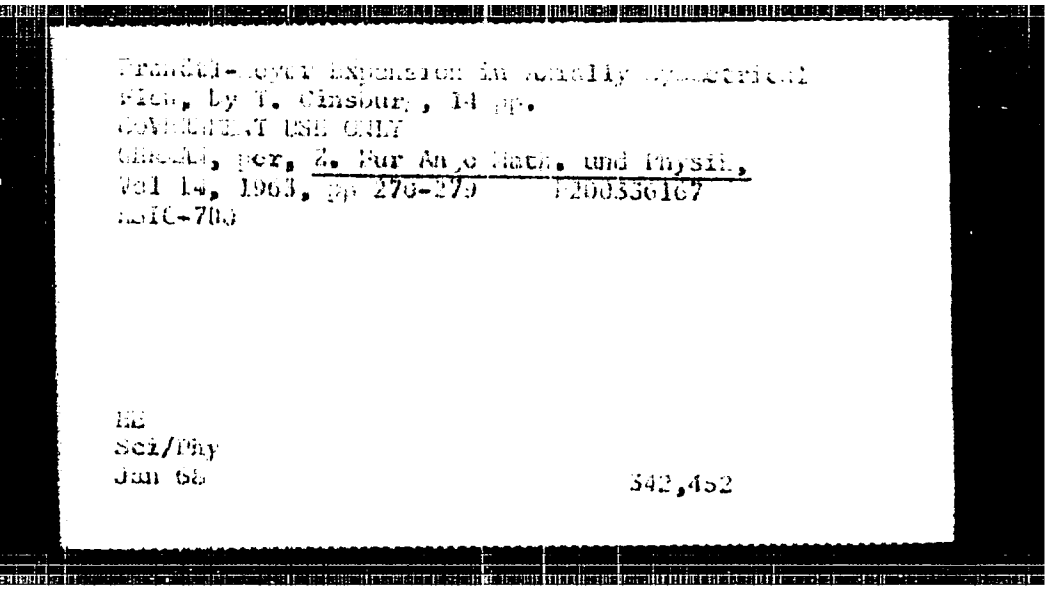

Frandtl-Meyer Expansion in Axially Symmetrical
Flow, by T. Ginsburg, 14 pp.
CONFIDENTIAL USE ONLY
Ginsburg, per, Z. Fur Angew Math. und Physik,
Vol 14, 1963, pp 276-279 P20036167
NSIC-703

EE
Sci/Phy
Jan 68

542,452

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Elastic Waves in Porous Media, by K. H. Muller,
6 pp.
GERMAN, per, Z fuer Angewandte Mathematik
und Physik, Vol XIV, 1963, pp 372-376.
Navy Tr 3939/USRL, 43

Sci - Phys
Nov 64

268,693

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Wave Propagation in Heterogeneous
Porous Solids, by K. H. Miller,
5 pp.
GERMAN, per, Zeit fur Angewandte
Mathematik und Physik, Vol XV, No 1,
1964, pp 57-61.
Dept of Navy Tr No 4699/USRL Tr no 55

SciPhys
May 66

299
300,745

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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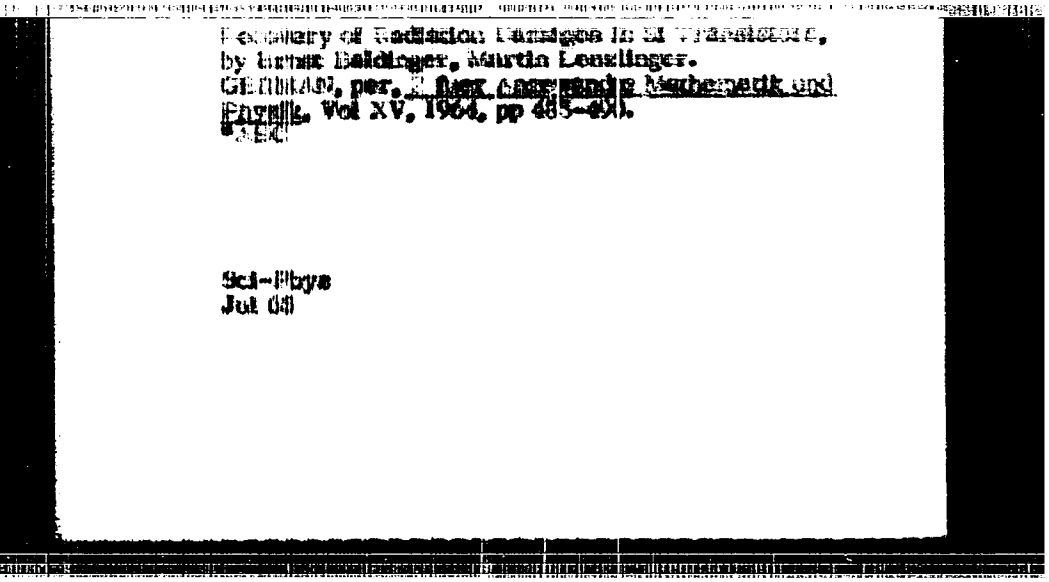

Secondary Radiation Damages in Si Transistors,
by Ernst Baldinger, Martin Lemlinger.
GERMAN, per. [illegible] Nuclear Instruments and
Methods, Vol XV, 1964, pp 485-491.

Sci-Phys
Jul 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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8-11-32 [illegible] BT66-14-1937

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Gas Lasers

J. Haisma

source: (Schweizerische Kommission fur Licht-und Elektronenoptik, and Universitat Bern, Institut fur angewandte Physik, Internationales Symposium uber die Physik der Laser und deren Angewendungen, Bern, Switzerland, Oct 12-15 Oct 1964.)
Zeitschrift fur Angewandte Mathematik und Physik, Vol 16, Jan 25, 1965, pages 74-84

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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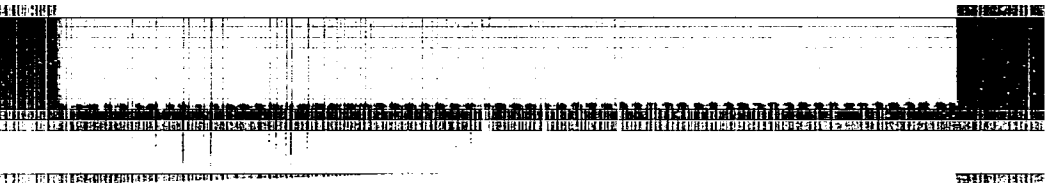

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Meteorology in the Service of Construction, by Bohuslav Hrudicka, 41 pp. (ID 1281980)
UNCLASSIFIED

GERMAN, no per, Z. fuer Angewandte Meteorologie, Vol LIV, No 2, pp 37-42; No 3, 1937, pp 69-76; Vol LV, No 4, pp 110-119; No 9, 1938, pp 289-294; Vol LVI, No 8, 1939, pp 248-255.

C-2, GSUSA G-4612

Scientific - Engineering Jun 55 CTS

24,995

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G-2, GSUSA G-4612

Scientific - Engineering

Jun 55 CTS

24995

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GERMAN, mo per, Z. fuer Angewandte Meteorologie, Vol LIV, No 2, pp 37-42; No 3, 1937, pp 69-76; Vol LV, No 4, pp 110-119; No 9, 1938, pp 289-294; Vol LVI, No 8, 1939, pp 248-255.

G-2, GSUSA G-4612

Scientific - Engineering

Jun 55 CTS

24,995

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Observations on an Altocumulus Deck, by C. Schumacher, 9 pp.

GERMAN, per, Zeitschrift fuer Angewandte Meteorologie, Vol LVII, 1940, pp 214-220.
CIA D 197065

American Meteorol Soc for
Geophysic Res and Dir, ASTIA

Sci - Geophysics 34, 452

May 1956

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Determination of Total Water in the Analysis of Inorganic Minerals, by M. Hartwig-Bendig, 44 pp.

GERMAN, per, Zeitschrift fuer Angew Mineralogie, Vol II, III, 1939-1941, pp 195-223.

Library of Geological Survey of Canada

Sci
May 61

150, 165

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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SC-T-713048 Uncl.

LUMMER PHENOMENON AT CARBON-ARC ANODE AND ANODE-CRATER TEMPERATURE. Steinle, Heinz Translated for Sandia Labs., Albuquerque, N. Mex., from Z. Angew. Mineral.; 2: 28-64(1939). 53p.

physics; translations

ND-34 P RC

Unlimited

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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SC-T-713046 Uncl.

MELTING EXPERIMENTS ON CARBON. Steinle, Heinz Translated for Sandia Labs., Albuquerque, N. Mex., from Z. Angew. Mineral.; 2: 344-76(1940). 55p.

materials; translations

ND-25 P RC

Unlimited

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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NIII 231/19

R-7998-D
17 Feb 67

Uber das Verhaltnis des Kindes zum Tiere
By: Anne Marie Kruger
From: Z Angew Psychol 47:9-64, 1934 (56 pp)

German - est for wds:

Please translate according to instructions attached.

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Investigations on and Improvements to a Vibration Galvanometer, by ~~XXXX~~ G. Von Mayrhauser, 18 pp.

GERMAN, per, Z Angewandte Physik, Vol I, No 2, 1948, pp 68-75.

SIA Tr 1537/56

Sci - Physics
Mar 57 CTS

45,537

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

On Conversion of Current, Voltage, Resistance and Four-Pole in Connection With Decimeter Waves, by Hans Heinrich Meinke, 31 pp.

GERMAN, per, S Angew Phys, Vol I, No 2, 1948, pp 90-98. CIA 654327

ATIC NCL-203/V

Sci-Phys

25 Jun 59

Telecom 621.3.(1)

117,883

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Corrugation Formation in Anti-Friction Bearings as a Result of Electrical Corrosion, by Artur Kbhaut, 25 p.

GERMAN, per, Zeit fur Angewandte Physik, 1948, Vol I, No 5, pp 197-211.

SLA 59-20519

Sci
Mar 60
Vol 3, No 1

110,928

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Gast, T[heodor] and Alpers, E[rika].
PONDEROMETRIC DETERMINATION OF DIELECTRIC MAGNITUDES. 30 Dec 50. 5p. (figs. equations refs. omitted).
Order from SLA $1.10 62-16973

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1948, v. 1, no. 5, p. 228-232.
Other translations are available from SLA $1.10 ea. as 62-10375 [1961] 4p. and 62-10376 [1961] 5p.

DESCRIPTORS: *Dielectric properties, Determination, Insulating materials, Electric insulation, Laboratory equipment.

(Engineering--Electrical, TT, v. 8, no. 10)

62-16973
I. Gast, T.
II. Alpers, E.

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Gast, Theodor and Alpers, Erika.
PONDEROMETRIC DETERMINATION OF DIELECTRIC PROPERTIES. [1961] 4p. [4 refs. 8 figs. omitted].
Order from SLA $1.10d 62-103 '5

Trans. of [Zeitschrift fur Angewandte Physik (West Germany) 1948, v. 1, no. 5, p. 229-231].
Another trans. is available from SLA $1.10 as 62-103 '6 [1961] 5p.

DESCRIPTORS: *Dielectric properties, Determination, Insulating materials, Electric insulation, Laboratory equipment.

(Engineering--Electrical, TT, v. 7, no. 9)

62-103 '5

I. Gast, T.
II. Alpers, E.

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Application of Conformal Representations to Wave Fields, by Hans Heinrich Meinke, 27 pp. UNCLASSIFIED

GERMAN, per, Z fuer Angew Phys, Vol I, No 6, January 1949, pp 245-252. CIA 648663

ATIC F-TS-9511/V

Sci - Phys

Jan 59

79,735

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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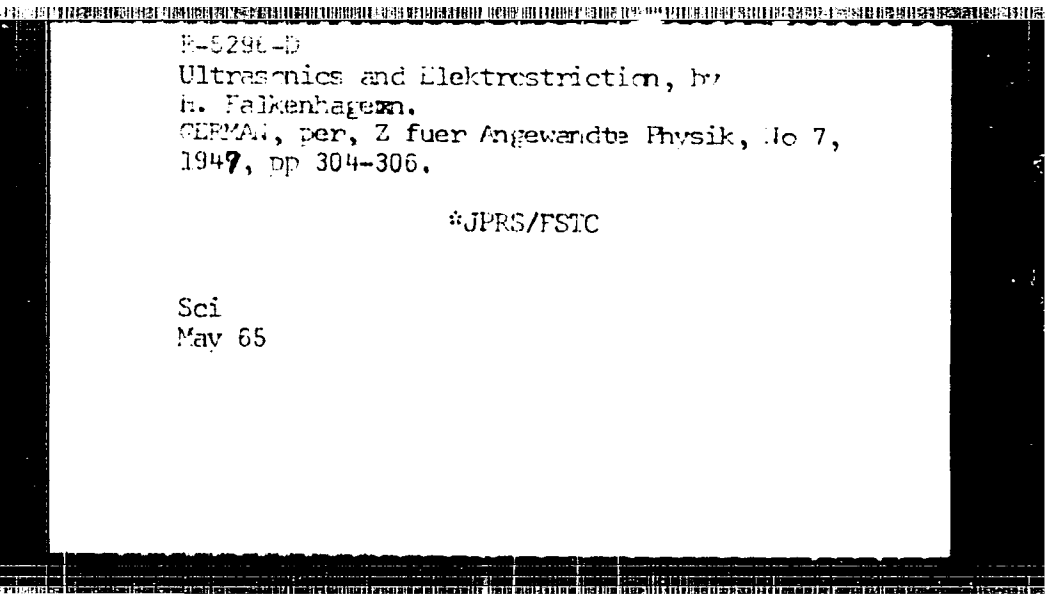

P-5296-D
Ultrasonics and Elektrostriction, by
H. Falkenhagen.
GERMAN, per, Z fuer Angewandte Physik, No 7,
1947, pp 304-306.

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Sci
May 65

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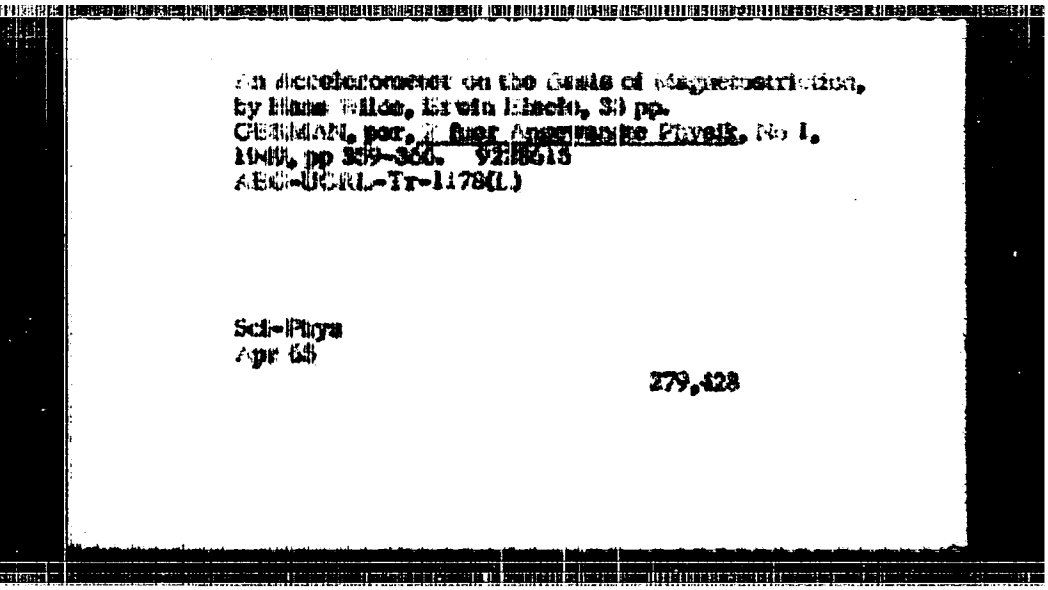


An Accelerometer on the Basis of Magnetostriction,
by Hans Wilde, Erwin Lincke, 31 pp.
GERMAN, per. Ann Annalen der Physik, No 1,
1948, pp 359-368. 92R613
AEC-UCRL-Tr-1178(L)

Sci-Phys
Apr 54

279,428

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Resistance Measurements on Sodium-Ammonia Solutions at Low Temperatures, by Martin Nabauer, 26 pp.

GERMAN, per, Z Angew Phys, Vol 1 I, 1949, pp 423-428.

AEC Tr-4249

Sci - Phys
Jun 61

155; 963

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Titanates of High Dielectric Constant, by H. Sachse, 23 pp.

Full translation.

GERMAN, pub. Zeitschr f. angew. Physik, No 1, 1949, pp 473 - 484.

CIA/WDD 2-11

Scientific - Physics

Jul 52 CTS DEX AOSIL Tr 485

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Improvements in the Electron-Coupled Mass Spectrography of Polyatomic Molecules, by M. Ardenne.

GERMAN, per, Z fuer Angewandte Physik, No 4, 1949, pp 121-131.

*ATIC MCL-818/1

Sci - Phsy

31 Jan 61

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Similarity- and Model- Laws in Stress-Optic Experiments, by E. Moench.

GERMAN, per, Zeitschrift fuer Angewandte Physik, No 7, 1949.

OTLA 18206

Sci - Engr

210, 95-4

19 Sept 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Ultrasonics and Electrostriction,
by H. Falkenhagen, 5 pp. FOR OFFICIAL USE ONLY
GERMAN, por, Z fuer Angewandte Physik, No 7,
1949, pp 304-306. 9697507
FSTC 381-T64-253

Sci - Elec
Aug 65 287,8253

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Flash X-Ray Tubes and Their Use, by
W. Schaaffs.

GERMAN, per, Z. fuer Angewandte Physik,
Vol I, No 10, 1949, pp 462-473.

CSIRO

Sci - Phys

Mar 62

189,503

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A General Solution Method for Inhomogeneous Cylindrically-Symmetrical Wave Fields, by Hans Heinrich Meinke, 25 pp. UNCLASSIFIED

GERMAN, per Z fuer Angew Phys, Vol I, No 11, 1949, pp 509-516. CIA 642663

ATIC P-TB-9511/V

Sci - Phys

Jan 59

79,737

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Dependence of the Structure of a (Metallic) Film on the Number of Nuclei, by E. Traub, 5 pp.
UNCLASSIFIED

Full translation.

GERMAN, per, Zeitschr fuer Angew Physik, Vol I, No 12, USSR, 1949, pp 545-549.

Navy Tr 667/NRL 404

Scientific - Physics, Nuclei, film

Sep 52 CIB/DEX

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Euler, Joachim.
REFLECTION MEASUREMENTS ON SANDED ALUMINUM (Reflexionsmessungen an Gesandetem Aluminium). [1962] [25]p. (foreign text included) 10 refs.
Order from SLA $2.60 62-16030

Trans. of Z[eitschrift für] Angew[andte] Physik (West Germany) 1949, v. 1, no. 12, p. 569-573.

DESCRIPTORS: *Aluminum, Surfaces, *Reflection, Impurities, Infrared spectroscopy.

The wavelength dependency of diffusely reflecting power and the scattering indicatrix is investigated for sanded aluminum surfaces under various conditions of incidence and reflection. The effects of grain size, various contaminations, and mechanical lesions are given. (Author)

(Physics--Optics, TT, v. 8, no. 5)

62-16030

1. Euler, J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

An Apparatus, Operating on Magnetic Principles, for Measuring Oxygen in Gas Mixtures, by E. Lehrer and E. Bobinghaus, 19 pp.

GERMAN, per, Z. Angew Phys, Vol II, No 1, 1950, pp 20-24.

SLA 3314

Sci

Aug 58

71,597

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Method of Working of X-Ray Flash Tubes, by E. Funfer.

GERMAN, per, Zeit Angew Phys, Vol II, No 1, 1950, pp 23-33.

T.I.L. T. 4561

35,721

Sci - Physics

Jun 1956

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Gast, Th.
TRENDS IN THE DEVELOPMENT OF BRIDGE INSTRUMENTS FOR DIELECTRIC MEASUREMENTS. [1962] 12p. (refs. figs. omitted).
Order from SLA $1.60 62-16974

Trans. of Z[ei]s[chrift] f[ür Angew[andte] Physik (West Germany) 1950, v. 2, no. 1, p. 41-48.

DESCRIPTORS: Alternating current, *Electric bridges, Capacitance bridges, Design, Dielectrics, *Dielectric properties, Measurement, Recording devices.

(Engineering--Electrical, TT, v. 8, no. 10)

62-16974

1. Gast, T.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Plasma and the Langmuir Sheath on the Theory of Electrical Probes in Gas Discharges, by F. Wenzl.

GERMAN, per, Z Angew Phys, Vol II, No 2, 1950, pp 59-75.

A.E.R.E., Harwell
462 ~~MX~~ OT/1288

Scientific - Physics
CTS 75/Dec 55

29,339

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Fine Structure Ultrashort Exposures With the X-Ray Flash Tube, by R. Schall.

GERMAN, per, Z. fuer Angewandte Physik, Vol II, No 2, 1950, pp 53-60.

(SIRC)

Sci - Phys

189,504

Mar 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Optical Temperature Scale and the Radiation Constants, by F Fr. Hoffmann, 25 pp.

GERMAN, per, Z fur Angewandte Physik, Vol II, No 2, 1950, pp 88-95.

SLA 59-16793

Sci

OTS, Vol III, No 7

Nov 60

133,033

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Optical Determination of the True Temperature of Luminescent Flames, by F. Rossler

GERMAN, per, Zeit Angew Phys, Vol II, No 4, Apr 1950, pp 161-166.

TPA3/TIB T 4144

Scientific - Physics
CTS/DEX

ff 90

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

On the Problem of Non-Distorting Amplification of D-C Impulses in an A-C Amplifier, by R. Gauger, 41 pp.,

GERMAN, per, Z. Angew Phys, Vol II, No 4, 1950, pp 179-188.

SIA 57-3020

Sci

71,020

Aug 58

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

An Electron Diffraction Study of AlAg and Al Mg Compounds, by A. Boettcher.
GERMAN, per, Zeit Angew Phys, Vol 2, 1950, pp 193-203.
*Nat Bur Stand TT 70-57798

Sci-Chem
Jul 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Gas Analysis by Electrostriction, by H. Senftleben, H. Gladisch,

GERMANY, per, Z Angew Physik, Vol. II, No 5, 1950, pp 204, 205.

ATS 277-OJ

Sci - Chem
Nov 59

100,383

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Contribution to the Theory and Practice of the Field Strength Difference Measuring Apparatus Magnetic Fields After Forster, by Max Wurn, 28 pp.

GERMAN, per, Zeit Angew Physik, Vol II, 1950, pp 210-219.

AEC Tr 2433

Sci - Physics, Engineering 34,504

May 1956

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Oxidation of AlMg and AlAg Alloys in Vacuum,
by A. Boettcher.
GERMAN, per, Zeit Angew Phys, Vol 2, 1950,
pp 249-251.
*Nat Bur Stand TT 70-57799

Sci-Chem
Jul 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The State Equation of Water at High Pressures from X-ray Flash Photographs of High Intensity Shock Waves, by R. Schall, UNCLASSIFIED

GERMAN, per, Z. Angew. Phys., Vol. II, No 6, 1950, pp 252-254.

TPA3/TIB T 4204

17,697

Scientific - Physics

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A Mass Spectrophotometer for the Determination of Isotope Abundance Ratios, by E. W. Becker, E. Dornenburg, and W. Walcher

Full Translation

GERMAN, per, Z. Agnew Naturforsch Physik, Vol II, 1950, pp 261-267.

AEC Tr 1133
AEC Tr 1205
Feb 52 CTS

Scientific - Physics

12,725

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A Simple Approximation Formula for Determining the Resonant Frequency of the Cavity Magnetron, by F. Borgnis.
GERMAN, per. Zeitschrift fur angewandte Physik, Vol 11, No 7, 1950, pp 278-280.
Dept of Navy/APL/JHU T-2120

Sci/Phys
Apr 68

351,249

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

R-5296-D

Production of Ultrasound by Means of Electrostriction, by H. Rust. CLPVA, per, Z fuer Angewandte Physik, No 7, 1950, pp 293-294.

*JPRS/FSTC

Sci
May 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Behavior of Electromagnetic Waves in Greatly Inhomogeneous Line Construction, by H. Meinke, 20 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol II, No 12, Dec 1950, pp 473-478.

ATIC F-TS-9510/V

Sci - Phys

Aug 58

70, 2 31

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

AEC.

(ORNL-tr-2569) ROENTGEN FLASH PHOTOGRAPHS OF SHOCK WAVES IN SOLID LIQUID AND GASEOUS MEDIA. Schall, Rudi; Thomer, Gustav. Translated by R. Gregg Mansfield (Oak Ridge National Lab., Tenn.), from Z. Angew. Phys.; 3: No. 2, 41-4(1951). 11p. Dep. NTIS.

Physics; translations 20

MN-34 P NSA

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Light-Splitting Functions of Thin Multiple-Layers and Their Applications, by H. Schröder, 29 pp.

GERMAN, per, Zeit für Angewandte Physik, Vol III, No 2, 1951, pp 53-66. CIA 9003312

A.C.S.I.L. Tr No 710

45, 275

Sci - Physics
Mar 1957 CTS/dex

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Studies on Variation of Height of the F2 Layer of the Ionosphere, by R. Eyfrig, 20 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift fur Angewandte Physik, Vol III, 1951, pp 98-101.

Def Sci Info Sv
DRB Canada T39G

Scientific - Physics Geo-

15,217

CIA 2521199

Jun 54 CTS

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Bierl, Richard.
ABOUT THE TRUE FREQUENCY-RESPONSE IN RECORDING AND REPRODUCTION OF SOUND IN MAGNETIC TAPE RECORDING. [1962] 10p. 6 refs.
Order from SLA $1.60 62-18694

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1951, v. 3, no. 5, p. 161-165.

DESCRIPTORS: Frequency, Sound, *Magnetic recording systems, Integrators, Measurement, Integral equations, *Magnetic tape, *Sound reproduction systems.

From the consideration of the distribution of magnetic reluctances in record and reproduce heads follow an inverse logarithmic, hyperbolic respectively, flux-distributions. The -drop of the record head gap function is compensated by a -proportional frequency (Engineering--Electronic, TT, v. 9, no. 10)

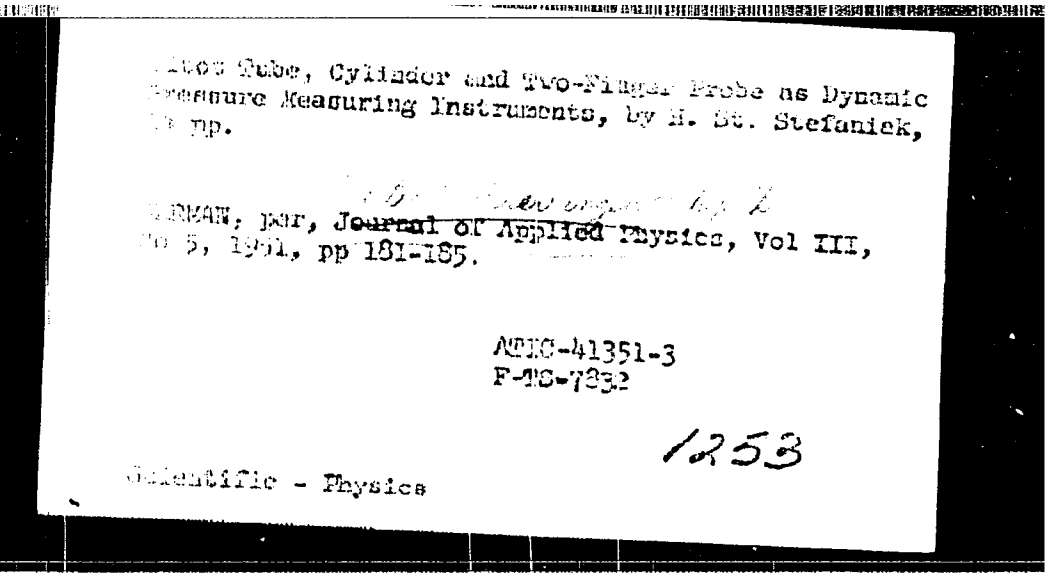
62-18694

I. Bierl, R.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3



...ios Tube, Cylinder and Two-Finger Probe as Dynamic
...ressure Measuring Instruments, by H. St. Stefaniek,
... pp.

...RMAN, par, Journal of Applied Physics, Vol III,
... 5, 1951, pp 181-185.

AEIC-41351-3
F-TS-7832

1253

...ientific - Physics

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Trajectories of Beam-Riding Rockets With Gas Jet Control, by R. Sanger, E. Roth, 22 pp. UNCLASSIFIED

Full translation.

FRENCH, GERMAN, ENGLISH, no per, Zeitschrift Fuer Angewandte und Physik, Vol III, No 4, Switzerland Jul 1952, pp 241-258.

ATIC F-TS-7950

Scientific - Physics, beam riding rockets ?

CIA 1023448 Feb 53 CTS

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

About the True Frequency-Response in Recording and Reproduction of Sound in Magnetic Tape Recording, by Richard Edel, 16 pp.

GERMAN Zeitschrift fur Angew Physik, Vol XII, No 5, 1951.

CIA/FDD X-4979

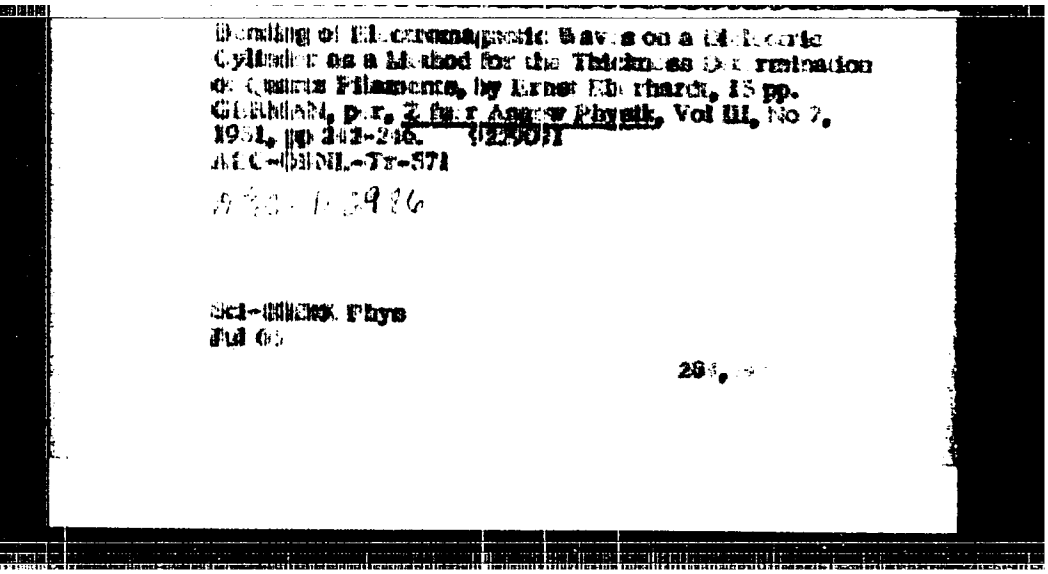
Sci - Electron

207,520

Aug 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3



Bending of Electromagnetic Waves on a Metallic Cylinder as a Method for the Thickness Determination of Quartz Filaments, by Ernst Eberhardt, 15 pp. GERMAN, p.r. Z fur Angew Physik, Vol III, No 7, 1951, pp 242-246. (12907)
AEC-tBNL-Tr-571

Sci-Electr. Phys
Jul 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Non-Steady Laminar Flow of an Incompressible Viscous Fluid in Circular Cylindrical Pipes, by Werner Gerbes, 16 pp.

GERMAN, per, Z. fuer Angewandte Physik, Vol III, No 7, 1951, pp 267-271. 9884933

Emmanuel Coll Res Lang Ctr
E-T-O-63-16

ECT - [illegible]

342,100

Sci - Phys
Aug 63

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A New Electrical Effect in the Ice Formation of Graupel in Natural Under-Cooled Fogs, by Holger Lueder, 19 pp. GERMAN, per, Z fuer Angewandte Physik, Vol III, No 7, 1951, pp 274-253.
Navy 4007/NRL 997

Sci-Phys
Feb 65

274,170

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Electrification of Graupel as a Cause of Thunderstorm Electricity, by Holger Lueder, 24 pp.
GERMAN, per, Z fuer Angewandte Physik, Vol III, No 8, 1951, pp 288-295.
Navy 4008/NRL 998

Sci-Phys
Feb 65

274,171

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

A New Method For the Magnetic Analysis of Oxygen,
by Karl F. Luft, 8 pp.

GERMAN, per, Z Angew Phys, Vol III, 1951, pp 300-303.

AEC Tr 1749

Scientific - Chemistry Jan 54 CTS/DEX

9191

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Euler, J. and Schneider, W.
ON THE MEASURING ACCURACY IN FILAMENT PYROMETERS. [1962] 23p. (7 figs. omitted) 1 ref.
Order from SLA $2.60 62-14282

Trans. of Zeitschr[ift] f[ür] Angew[andte] Physik (West Germany) 1951, v. 3, no. 12, p. 459-467.

DESCRIPTORS: Filaments, *Pyrometers, Measurement, Errors, [illegible]

(Physics - Thermodynamics, [illegible])

62-14282

I. Euler, J.
II. Schneider, W.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Elementary Theory of Electron Beam Production in Triode Systems. Pt. 2, Current Strength and Structure of the Electron Beam, by, M. Ploke.
GERMAN, per, Zeitschrift fuer Angewandte Physik, vol 4, 1952, pp 1-12.
ATI-66890

331, 534

Sci - Electron
Jul 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

On the Inertia of the Forward Conductance of Germanium Diodes, by Th. Einsele, 4 pp.

GERMAN
[redacted], per, Zeits angew Physik, Vol IV, No 5, 1952, pp 183-185.

CIA/FDD/Z-72

Scientific - Physics
CTS/DEX

7075

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Principles of Spark Cinematography, by E. Schardin, E. Funfer

GERMAN, per, Z Angew Phys, Vol IV, No 5/6, 1952, pp 185-199, 224-238.

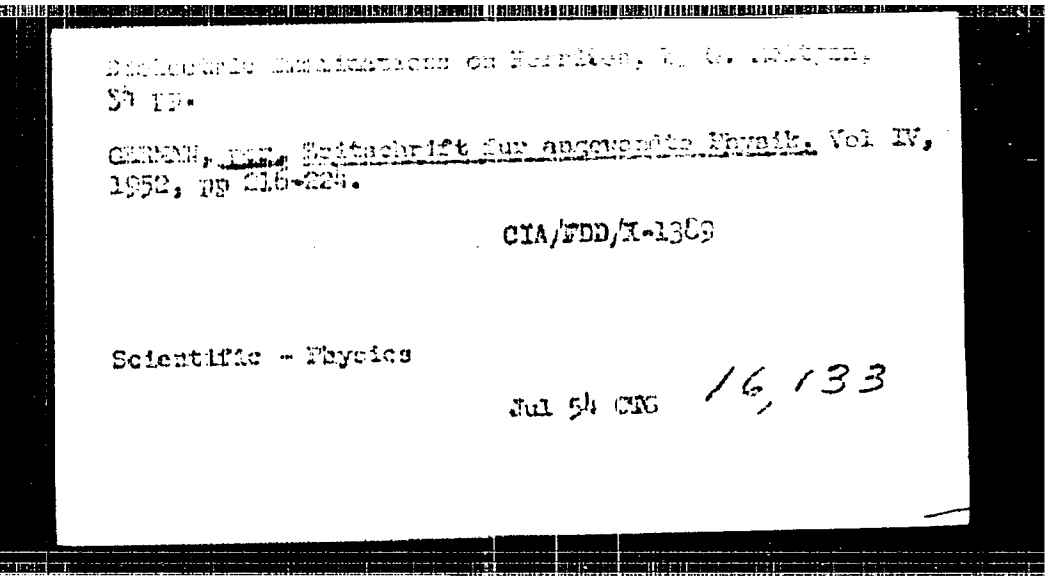
TPA3/TIB T 4113

8893

Scientific - Physics
CTS/DEX

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3



Bibliography Unavailable on Microfilm, N. A. Addition,
54 pp.

CHRON, [illegible] Zeitschrift fur angewandte Physik, Vol IV,
1952, pp 218-224.

CIA/FDD/X-1309

Scientific - Physics

Jul 54 CIG 16,133

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Tensile Deformations on Simple Crystals with Rotating Grips, by J. Dishl and A. Koehendorfer,

GERMAN, per, Z.Angew Phys, Vol IV, 1952, pp 241-247.

STAT
AFLIB-GB43

71,039

Sci

Aug 58

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Investigations and Experiment on a Dynamic Secondary Electron Multiplier, by Heinz Benoking, 29 pp.

GERMAN, per, Z Angew Physs, Vol IV, 1952, pp 258-267.

AEC UCRL-Trans-598(L)

Sci - Phys
14 Mar 61

141,286

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Reproduction of Voltage Impulses by Means of A Proportional Amplifier, by U. Cappeller, 42 pp.

GERMAN, per, Z Angew Phys, Vol IV, 1952, pp 330-345.

AEC M-6613

Sci - Phys
Aug 60

124,023

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Grassmann, Peter.
CALCULATION OF TEMPERATURE DISTRIBUTION IN OXYGEN CUTTING. [1962] 12p. 6 refs.
Order from SLA $1.60 62-18964

Trans. of Z[eitschrift für] Angew[andte] Physik (West Germany) 1952, v. 4, p. 455-458.
Another trans. is available from SLA $1.60 as 62-14429 [1962] [11]p.

DESCRIPTORS: Steel, *Cutting tools, *Acetylenes, *Oxygen, Combustion, Flames, Temperature, Numerical analysis.

For abstract see Technical Translations 8; 702, 1962.

(Metallurgy, TT, v. 9, no. 8)

62-18964

I. Grassmann, P.

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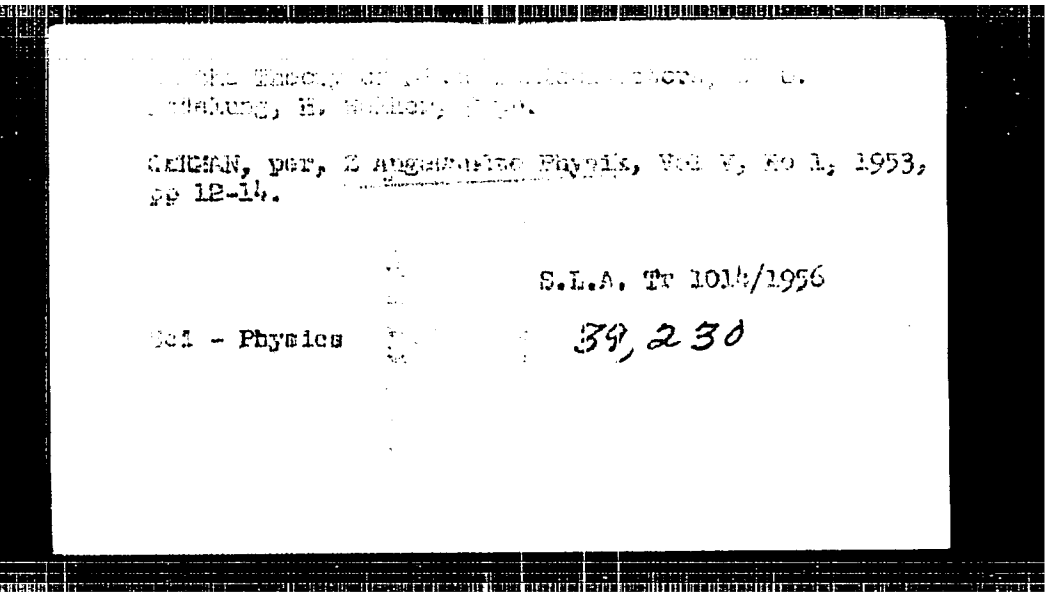

[illegible] Theory of [illegible] Interaction, [illegible] C.
[illegible]berg, H. [illegible], [illegible].

CERN, per, Z Angewandte Physik, Vol V, No 1, 1953, pp 12-14.

S.L.A. Tr 1014/1956

Cel - Physics

39,230

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

The Multiple Spark Camera and its Use in Technical Physics, by H. Schardin UNCLASSIFIED

GERMAN, per. Z. angew. Phys., Vol V, No 1, 1953, pp 19-24

C.D.E.E. 126 OT/766
PORTON

Scientific - Physics

April 54 CTS/DEX

11,567

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Theory of the Quartz Fibre Manometer, by
K. D. Mielenz, et al.

GERMAN, per, Z fur Angewandte Physik,
Vol V, H 1953, pp 90-94.

NRC Library
Ottawa, Ref C-2420

Sci. - Phys

192,064

Apr 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Raman - Crystal Powder Technique Using Intense Illumination, by Josef Brandmuller, 14 pp.

GERMAN
Ger/Eng, per, Zeitschrift fur Angewandte Physik, Vol V, No 3, March 1953, pp 95-101.

S.L.A. Tr 23/1956
33,945

Scientific - Physics

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Stray-Capacity of Materials Having High Dielectric Constants, by W. Hsiwang,

GERMAN, per, Z. Angew. Phys, Vol V, No 5, 1953, pp 161-163.

R.A.E., Farnborough
Tr No 485

Scientific - Physics Feb 55 CTS

20,856

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

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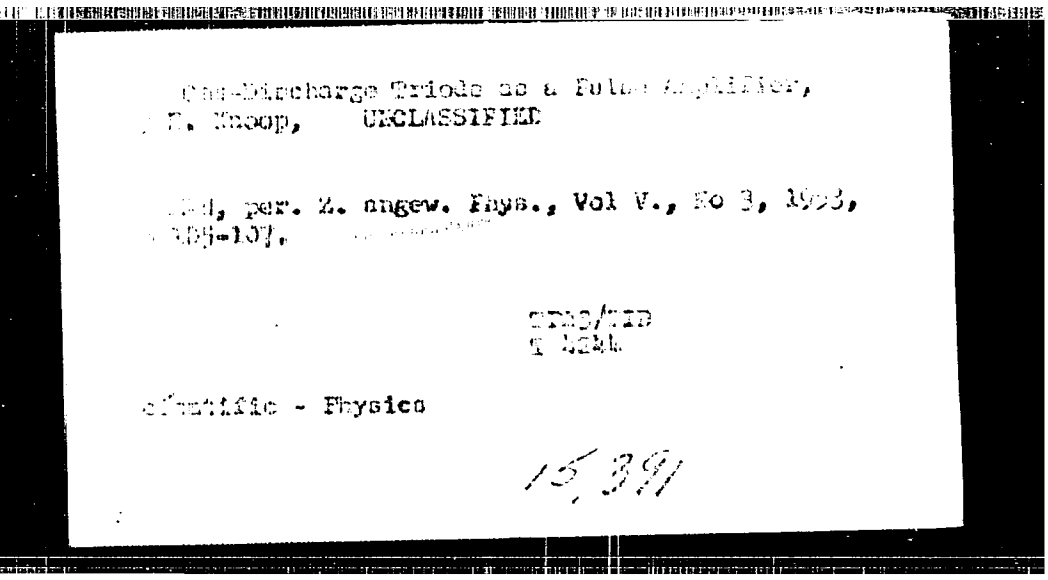

Gas-Discharge Triode as a Pulse Amplifier,
F. Knoop, UNCLASSIFIED

..., per. Z. angew. Phys., Vol V., No 3, 1953,
...-107.

...
...

Scientific - Physics

15,391

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250003-3

Wortmann, F. X.
A METHOD OF OBSERVING AND MEASURING FLOWS OF WATER WITH TELLURIUM (Eine Methode zur Beobachtung und Messung von Wasserströmungen mit Tellur) tr. by D. A. Sinclair. 1962. 17p. 6 refs. NRCC Technical trans. 1049.
Order from NRCC $1.00 NRCC C-4286

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1953, v. 5, no. 6, p. 201-206.

DESCRIPTORS: *Fluid flow, Water, Measurement, Visibility, Test methods, *Tellurium, Wire, *Photography.

(Mechanics--Hydrodynamics, TT, v. 9, no. 8)

63-12796

I. Wortmann, F. X.
II. NRCC TT-1049
III. NRCC C-4286
IV. National Research Council of Canada

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